

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



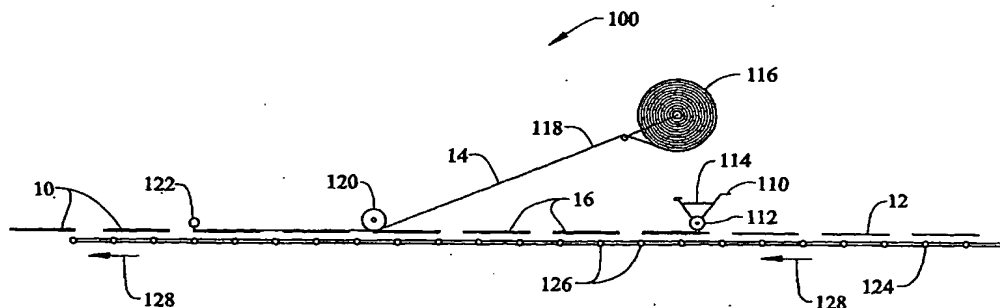
(43) International Publication Date  
28 October 2004 (28.10.2004)

PCT

(10) International Publication Number  
**WO 2004/093054 A2**

- (51) International Patent Classification<sup>7</sup>: **G10K**
- (21) International Application Number:  
PCT/US2004/010703
- (22) International Filing Date: 7 April 2004 (07.04.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/460,974 7 April 2003 (07.04.2003) US  
10/818,822 6 April 2004 (06.04.2004) US
- (71) Applicant (for all designated States except US): **PIKE TECHNOLOGIES, LLC** [US/US]; P.O. Box 1181, Cypress, TX 77410-1181 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **PIKE, Clinton, W., Sr.** [US/US]; 15611 Stable Brook Circle, Cypress, TX 77429 (US). **ALLARD, Patrick, E.** [US/US]; 2843 Oconee Circle, Gainesville, GA 30507 (US).
- (74) Agent: **LEE, Cynthia, J.**; Thomas, Kayden, Horstemeyer & Risley, LLP, Suite 1750, 100 Galleria Parkway, N.W., Atlanta, GA 30339-5948 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SOUND ABSORBING WALL SYSTEMS AND METHODS OF PRODUCING SAME



(57) Abstract: Sound absorbing wall systems are disclosed that include a wallboard material and a soundproofing material adhered to the wallboard material. Also disclosed are methods for producing sound absorbing wall systems, one method including adhering a soundproofing material to a wallboard material. With the method, the soundproofing material adhered to the wallboard material can be directly installed in homes and/or buildings as wallboard.